

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/04636

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>   |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
|--|--|---|--|---|--|--|--|--|---|---|--|--|--|--|
| IPC(7) : A61K 9/14, 9/52, 9/58<br>US CL : 424/497, 489, 490<br>According to International Patent Classification (IPC) or to both national classification and IPC   |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| <b>B. FIELDS SEARCHED</b>  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| Minimum documentation searched (classification system followed by classification symbols)<br>U.S. : 424/497, 489, 490  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>REGISTRY, HCAPLUS, WPIDS, MEDLINE  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.   |  |   |  |  |  |  |   |   |  |  |  |  |
| A  | US 5,427,798 A (LUDWIG ET EL.) 27 JUNE 1995 (27.06.95).  | 1-12  |  |   |  |  |  |  |   |   |  |  |  |  |
| A  | US 5,508,040 A (CHEN) 16 APRIL 1996 (16.04.96).  | 1-12  |  |   |  |  |  |  |   |   |  |  |  |  |
| A  | US 5,472,708 A (CHEN) 05 DECEMBER 1995 (05.12.95).   | 1-12  |  |   |  |  |  |  |   |   |  |  |  |  |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.  |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| <table border="0"> <tr> <td>* Special categories of cited documents:</td> <td>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>*A* document defining the general state of the art which is not considered to be of particular relevance</td> <td>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>*E* earlier document published on or after the international filing date</td> <td>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>*Z* document member of the same patent family</td> </tr> <tr> <td>*O* document referring to an oral disclosure, use, exhibition or other means</td> <td></td> </tr> <tr> <td>*P* document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> |  |   | * Special categories of cited documents: | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | *A* document defining the general state of the art which is not considered to be of particular relevance | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | *E* earlier document published on or after the international filing date | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *Z* document member of the same patent family | *O* document referring to an oral disclosure, use, exhibition or other means |  | *P* document published prior to the international filing date but later than the priority date claimed |  |
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| *A* document defining the general state of the art which is not considered to be of particular relevance   | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |   |  |   |  |  |  |  |   |   |  |  |  |  |
| *E* earlier document published on or after the international filing date   | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |   |  |   |  |  |  |  |   |   |  |  |  |  |
| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  | *Z* document member of the same patent family  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| *O* document referring to an oral disclosure, use, exhibition or other means   |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| *P* document published prior to the international filing date but later than the priority date claimed   |  |   |  |   |  |  |  |  |   |   |  |  |  |  |
| Date of the actual completion of the international search<br>27 MARCH 2000   |  | Date of mailing of the international search report<br>26 APR 2000                                 |  |   |  |  |  |  |   |   |  |  |  |  |
| Name and mailing address of the ISA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230  |  | Authorized officer<br><i>Konata M. George</i><br>KONATA M. GEORGE<br>Telephone No. (703) 308-1235 |  |   |  |  |  |  |   |   |  |  |  |  |